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ABSTRACT

Listed and described are films produced through a system of international cooperation; subject areas are physical geography, biology, physics, and teacher training. A brief history of the development of the production cooperative project is followed by a description of operating procedures. The objective is to coordinate the production of educational films by individual countries so that the films produced will have a wider cross-cultural acceptability and thereby increase the supply of films to all cooperating nations without additional costs. Plans for future productions using a wider spectrum of media are discussed. (STS)

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ED134174

DECS/EGT (76) 48

COMMITTEE FOR GENERAL AND TECHNICAL EDUCATION

Co-production of teaching resources under the auspices of the Council of Europe

CATALOGUE FOR 1976

(a supplement will be brought out in 1977)

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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IR004340

CO-PRODUCTION OF TEACHING RESOURCES

UNDER THE AUSPICES OF THE COUNCIL OF EUROPE

1. Introduction

In 1954, when national audio-visual organisations met together under the Brussels Treaty Organisation, they found that they faced similar problems. The contribution which the teaching film could make to modern education was established, but films were costly to make and as they were specialised, distribution in each country was limited. Such films could not be produced on a commercial basis - they had to be sponsored. National budgets were, however, limited and so the needs of education were not being met.

By then some national audio-visual organisations were co-operating by exchanging information about their production plans to minimise duplication, they were viewing each others' films and some exchange was in progress. It soon became evident, however, that although there were exceptions, films made on a purely national basis were not in general acceptable to other countries.

Why not, therefore, co-operate from the outset, at the planning, scripting and pre-production stages and reach agreement on subject, content and method of treatment before commencing production and thus ensure that the films on completion would be widely acceptable to other countries ? This was the aim of international co-production - to co-operate in the production of films and thus produce films which would have a wide distribution in as many countries as possible. If this could be achieved, the supply of films to schools and other educational establishments would be substantially increased without additional cost.

2. The First Experiment

The first project to be agreed upon was a series on Physical Geography. A memorandum was prepared which outlined the topics which seemed suitable for film treatment and for international co-operation. It was discussed and when agreement was reached each of the five participating countries chose a topic for which they had in their own country suitable geographical examples. Each country prepared a script for their own film. These were circulated for comment and then discussed and approved by the Committee. Production then began - each country financing the production of its own film.

In most cases the films were viewed and discussed at rough-cut stage. On completion, printing material of all the films was made available to the participating countries at no cost (apart from laboratory charges) for each to make their own language versions.

By 1959, all five films had been completed - each participating country had obtained five films for the price of one.

The real test of the success of the project could, however, only be measured by the use which was made of the films in education. By 1965, 2,055 copies of these five films were in use in ten European countries. When it is realised that each copy is sent to schools on an average twenty times a year and on each occasion is seen by an average of fifty pupils, these are impressive figures. Moreover, a number of the films were also being screened in Schools' Television Programmes.

3. Development

This work stemmed from the Brussels Treaty Organisation, but was later transferred to the wider framework of the Council for Cultural Co-operation of the Council of Europe where it has developed successfully.

Much has been learned by practical experience about the choice of subjects suitable for international co-production, about the technical problems of producing films for international distribution, about how to harmonise the differing educational approaches from country to country and the differing standards and film production methods.

The administrative machinery for pre-production co-operation, which is the crux of international co-production, has also been developed - the preparation of a master-plan for a series, the appointment of a co-ordinator for each series, the stages at which consultation is necessary, etc.

The changes in the use of media and the development of educational technology have also had to be taken into account. No longer could we think only of 16 mm. teaching films on specific subjects for a definite age-range, but of multi-media course material consisting of 16 mm. film, 8 mm. film (single concept), filmstrips/slides, transparencies, tapes and support material.

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4. Description of the co-production system

The directors or authorities in charge of the production of audio-visual resources in the States taking part in the co-production programme (1) meet once a year as an "Advisory Group for Co-production", coming under the CCC budget-programme, for the following purposes :

a. to plan the future co-production programme ;

b. to ensure implementation of the current programme ;

c. to inspect the material produced by the respective production centres (2) in pursuance of previous decisions.

The first task entails the preparation of a budget. Once the group has decided, with the approval of the CCC, to produce a series of films on some theme and to ask a particular national production centre to produce one or more of them, that centre makes provision for the corresponding expenditure in its annual budget, mentioning that this work comes under the Council of Europe co-production scheme.

The second task takes place in two parts : first, a master plan is adopted for each series of films to be produced by the participating countries, and then the script for each individual film is commissioned in accordance with the general plan.

The master plan for each series is prepared by a member of the Advisory Group for Co-production. Scenarios are written by groups of experts composed of specialists in the teaching of the relevant subject (geography, physics, biology, etc.) and people belonging to the national production centres or regularly employed by them. Meeting costs and script fees are paid out of the Cultural Fund budget. The Council of Europe also provides secretariat services, including translation of texts (master plans, scenarios, synopses, etc.) and interpretation at meetings.

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(1) Membership is variable. In recent years the following countries have produced films at regular intervals and (or) attended Advisory Group meetings : Austria, Belgium, Denmark, the Federal Republic of Germany, Finland, France, the Netherlands, Sweden, Spain and the United Kingdom

(2) Most are para-governmental centres possessing their own budgets and deriving at least part of their resources from government subsidies. Examples are the OFRATEME (France), the Institut für Film und Bild (Federal Republic of Germany), the Nederlands Instituut voor Audio-visuele Media (the Netherlands) and the Educational Foundation for Visual Aids (United Kingdom).

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The third task involves the inspection and, if necessary, the revision of scripts, followed by viewings of the completed films. The credits of approved films state that they were produced with assistance from the Council of Europe. (The Council of Europe's emblem, twelve gold stars on a blue background, appears in the opening footage with the mention, "This film has been produced under the auspices of the Council of Europe".)

All actual production costs are borne by the national institute making the film. Several hundred copies are printed :

- for distribution in the producing country ;

- for distribution in other CCC member States, whether they are taking part in the co-production or not (1) ;

- for dispatch to any other countries on request.

Co-productions have been undertaken in four subjects : physical geography, biology, physics and teacher training.

Why have these particular subjects been chosen ? With respect to the first three, research has shown that film series based on the exact sciences are usually most successful because they present factual data and the same facts are usually taught in the same way in most countries.

With regard to teacher training, it was found that very little audio-visual material existed in Europe and it was essential to make good this lack very quickly in order to meet modern educational needs.

In every case the themes of co-produced series have been carefully chosen to fill in the most important gaps in audio-visual literature.

Work on a new series, "European Population" has now begun ; this project impinges upon the humanities and is thus a most challenging, but also a highly interesting experiment.

Co-ordinating group meetings are usually held in production institutes because they can supply the technical equipment and experts can hold constructive exchanges with the staff and gain first-han information on the latest developments in educational technology.

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(1) In this case , they may obtain copies at cost price (about 500 FF for a 15 minute 16 mm film).

5. Old series

A number of series of films had already been produced before co-production was put on the programme of the Committee for General and Technical Education.

Information on such earlier films is to be found in : "Educational and Cultural films - an experiment in European co-production "Education in Europe series".

The present catalogue merely lists the early series as well as the films which form part of them.

OLD SERIES

1. PHYSICAL GEOGRAPHY : 5 films

- Les eaux souterraines (Belgium)
- The Changing Coast (United Kingdom)
- Les glaciers (France)
- De Kust van Nederland (Netherlands)
- Volcanism (United Kingdom)

2. SCIENCE : 7 films

- Mercator et les débuts de la cartographie (Belgium)
- Mirror in the Sky : Appleton and the Ionosphere (United Kingdom)
- Johannes Kepler und sein Werk (Federal Republic of Germany)
- Une tâche difficile : Calmette et le B.C.G. (France)
- Galvani, Volta e la corrente elettrica (Italy)
- Antoni van Leeuwenhoek (Netherlands)
- Victory over Pain : Simpson and Anaesthesia (United Kingdom)

3. GREAT EUROPEANS : 7 films

- Houzeau de Lehaie (Belgium)
- Rutherford and Cockcroft (United Kingdom)
- Albert Einstein : (Federal Republic of Germany)
- Jean-Jacques Rousseau (France)
- Mazzini europeo (Italy)
- Erasmus, de stem van de rede (Netherlands)
- James Watt (United Kingdom)

4. MODERN LANGUAGES : 8 films

- What's the Time ? (United Kingdom)
- A stranger in the garden (Federal Republic of Germany)

- Der Bettler undder Fisch (Federal Republic of Germany)
- Je marchais (France)
- Mrs Wilson's Hats : 3 films (France)
- Una visita inattesa (Italy)

5. BIOLOGY : THE LIVING CELL : 12 films

- What are Cells ? (Belgium)
- The Anatomy of the Cell (France)
- The Physiology of the Cell-I (Denmark)
- The Physiology of the Cell-II (France)
- The Physiology of the Cell-III : Mitosis (Federal Republic of Germany)
- The Physiology of the Cell-IV : Meiosis (Federal Republic of Germany)
- The Chemistry of the Cell-I (United Kingdom)
- The Chemistry of the Cell-II (United Kingdom)
- Specialist Cells (Italy)
- Cells in Association (Italy)
- How Cells React and Communicate (Netherlands)
- The Living Cell - a Summary (Belgium)

NEW SERIES

G E O G R A P H Y

1. Original Title of Film : VI UPPLEVER FJÄLLET
(Sweden)

Title in English : We meet the Nordic snow mountains

2. Date of completion : 1970

3. Production Institute : National Board of Education

4. Distribution : LiberLäromedel

5. Address from which fuller information on international availability of the film may be obtained ;
LiberLäromedel
Film Section
S - 162 89 Vällingby

6. Language versions available and teaching notes if any :
English

7. Public for whom the film is intended :
Secondary School (11 - 14 ans)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 21 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The intention of this film is to describe how plants, animals and human beings have adapted to the special milieu o the Sandinavian snow mountains and how man has transformed the landscape in order to make use of, and develop, its resources - primarily water power and iron ore. A representative selection of visual and live nature-cultural geographical milieux and connections will give the basic factual knowledge for understanding the Nordic snow mountain region and its inhabitants.

13. Other existing material :

1. Original Title of Film : ISLAND
(Austria)

Title in English : Iceland

2. Date of completion : 1972

3. Production Institute : SHB - Film

4. Distribution : SHB - Film

5. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 Wien

6. Language versions available and teaching notes if any :
German
English

7. Public for whom the film is intended :
Pupils of secondary education (11 to 14 years old)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : German - optical,
English - magnetic

10. Running Time : 19 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Iceland is geologically an interesting country with many volcanoes and glaciers.
The film shows the life on this large island which is influenced on the one hand by its northern aspect and on the other by the warmth of the Gulf Stream.
Iceland is the oldest democracy of Europe.

13. Other existing material :

1. Original Title of Film : ALMWIRTSCHAFT
(Austria)

Title in English : Alpine Cattle Breeding

2. Date of completion : 1972

3. Production Institute : SHB - Film

4. Distribution : SHB - Film

5. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 WIEN

6. Language versions available and teaching notes if any :
German
English

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : German - optical,
English - magnetic

10. Running time : 19 minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The more than 300 year old tradition of Alpine farming has changed very much in the decades since the Second World War. The milk is used for the rearing of calves. In the Alpine regions nowadays cattle breeding is most important. The film deals with these aspects and compares the Alps and the influence of different altitudes on cattle breeding.

13. Other existing material :

1. Original Title of Film : BERGBAUERN IN ÖSTERREICH - LEBEN IM SOMMER (Federal Republic of Germany)

   Title in English : Farmers of the Austrian Alps - Life in Summer

2. Date of completion : 1970

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
   Institut für Film und Bild
   Bavaria-Film-Platz 3
   D - 8022 GRÜNWALD

6. Language versions available and teaching notes if any :
   German - teaching notes

7. Public for whom the film is intended :
   Secondary level (10 - 12 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 17 minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Introduction of landscape and daily work in the summer (valley, village, farm-house, hay harvest).
    Dairy products.
    Special characteristics of the farms in the mountains (adaptation of the means of transport, climate and shapes of surface).

13. Other existing material : 2 series of slides

1. Original Title of Film : BERGBAUERN IN ÖSTERREICH - LEBEN IN WINTER (Federal Republic of Germany)

   Title in English : Farmers of the Austrian Alps - Life in Winter

2. Date of completion : 1970

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film can be obtained :
   Institut für Film und Bild
   Bavaria-Film-Platz 3
   D - 8022 Grünwald

6. Language versions available and teaching notes if any :
   German - teaching notes

7. Public for which the film is intended :
   Secondary level (10 - 12 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running time : 17 minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Special living conditions in the winter (transport, tourism).
    Work and life in winter (care of the domestic animals, work at home, children's way to school, food).
    Woodwork.

13. Other existing material :

1. Original Title of Film : ROTTERDAM EN ZIJN ACHTERLAND (Netherlands)

   Title in English : Rotterdam and its Hinterland

2. Date of completion : 1973

3. Production Institute : NIAM

4. Distribution : NIAM, Sweelinckplein 33, The Hague
   RVD, Noordeinde 43, The Hague

5. Address from which fuller information on international availability of the film may be obtained :
   RVD
   Noordeinde 43
   The Hague

6. Language versions available, teaching notes if any :
   Dutch German
   English Spanish
   French

7. Public for whom the film is intended :
   Pupils of secondary schools (about 12 - 15 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 23 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The relationship and interaction between the historical development of Rotterdam and that of its hinterland. Also looking to the future : building new canals (A.O. Europe-Canal) in the hinterland and new harbours (Europoort) in Rotterdam.

13. Other existing material : None at present but a slide-series is in preparation.

1. Original Title of Film : EUROPÄISCHE MITTELGEBIRGE
(Federal Republic of Germany)

Title in English : Hercynian Mountains

2. Date of completion : 1974

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available and teaching notes if any :
German and English - teaching notes

7. Public for whom the film is intended
Secondary level (11-14 years)

8. Colour/black and white :colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 20 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The aim of the film is to encourage pupils to compare European countries from the bases of geographical and cultural conditions : morphology, means of transportation, agriculture, industry, recreation, dams. Examples from the United Kingdom, France, the Federal Republic of Germany and Czechoslovakia.

13. Other existing material :

1. Original Title of Film : SISTEMAS DE RIEGO TRADICIONALES EN LA ESPANA MEDITERRANEA (Spain)

   Title in English : Irrigation Systems in Spain

2. Date of completion : 1974

3. Production Institute : Servicio de Publicaciones del Ministerio de Educacion y Ciencia

4. Distribution : Servicio de Publicaciones del Ministerio de Educacion y Ciencia

5. Address from which fuller information on international availability of the film may be obtained :
   Departamento de Medios Audiovisuales
   Servicio de Publicaciones del Ministerio de Educacion y Ciencia
   Ciudad Universitaria
   E - Madrid 3

6. Language versions available, teaching notes if any :
   Spanish
   French

7. Public for whom the film is intended :
   Secondary level : (10 - 12 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 12 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 35 mm with possibility 16 mm and super 8.

12. Short description : The film gives a brief outline of irrigation in the provinces of Valencia and Murcia. It starts with the ruins of aqueducts and canals built by the Romans and continues with the Arabic systems : the "noria", the "uadi", etc... Then we see the irrigation of orchards and rice fields to end with an overall view of the irrigation scheme which is now the most widely used in Spain.

13. Other existing material : slides.

PROPOSED SERIES

EUROPEAN POPULATION

A master plan has been prepared for a series of multi-media packages to be used in humanities teaching. Production work should begin in 1978.

The plan is composed of three parts :

- The European population, its present structure and trends towards change ;
- The Spatial distribution of the European population ;
- The Spatial mobility of the European population.

NEW SERIES

B I O L O G Y

SERIES : THE LIVING BODY

1. Original Title of Film : RIECHEN UND SCHMECKEN
(Austria)

Title in English : Smelling und Tasting

2. Date of completion: 1974

3. Production Institute : SHB - Film

4. Distribution : SHB - Film

5. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 Wien

6. Language versions available and teaching notes if any :
German

7. Public for whom the film is intended :
Pupils of lower and upper secondary level (13 - 17 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 15 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm :
produced in 35 mm, distributed in 16 mm.

12. Short description : The film was produced as part of the series "The living body". It deals with the origins of smell and taste. The functions are explained in animated cartoons. The difference between the senses of smell and taste, characteristic of certain animals and human beings, is also dealt with.

13. Other existing material :

1. Original Title of Film : LES ECHANGES GAZEUX
(Belgium)

Title in English : Gaseous Exchange

2. Date of completion : 1975

3. Production Institute : Ministère de l'Education Nationale
et de la Culture Française
Direction générale de l'Organisation des
Etudes

4. Distribution : Ministère de l'Education Nationale
et de la Culture Française
Service des Auxiliaires de l'Enseignement
Quai du Commerce, 7 - B - 1000 Bruxelles

5. Address from which fuller information on international availability of the film may be obtained :
Ministère de l'Education Nationale et de la Culture Française
Service des Auxiliaires de l'Enseignement
Quai du Commerce, 7
B - 1000 Bruxelles

6. Language versions available,
teaching notes if any :
French

7. Public for whom the film is intended :
Secondary level (14 - 16 years)

8. Colour/black and white : colour

9. Sound System (optical or magnetic) : optical

10. Running Time : 19 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The stages of the process of gaseous exchange which ensures that tissues have the oxygen which is essential in order to live.

13. Other existing material :

1. Original Title of Film: MECANISMES DE REGULATION (Belgium)

Title in English : The Control System of the Body

2. Date of completion : 1975

3. Production Institute : Ministère de l'Education Nationale et de la Culture Française
Direction générale de l'Organisation des études

4. Distribution : Ministère de l'Education Nationale et de la Culture Française
Service des Auxiliaires de l'Enseignement
Quai du Commerce, 7 - B 1000 Bruxelles

5. Address from which fuller information on international availability of the film may be obtained : see 4 above

6. Language versions available, teaching notes if any :
French

7. Public for whom the film is intended :
Secondary level (14 - 16 years)

8. Colour/black and white : colour

9. Sound System (optical or magnetic) : optical

10. Running Time : 18 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm 35 mm : 35 mm and 16 mm

12. Short description : The film starts by showing clowns and a girl acrobat doing different exercises which make them perspire, increase their respiratory and cardiac rhythms, etc. All these have but one purpose to keep the organism's physiological characteristics at a reasonably constant value. How does our body's control system work ? This is the subject of the 2nd part of the film. The integration of vegetative life into the life of relation and vice versa is assured by the hypothalamus and the hypophysis. Neuro-secretive cells of the hypothalamus, because of the duality of their nature, are in relation with neurons and the endocrinal glands. From this knowledge, it is possible to explain the feedback and the self mechanisms.

13. Other existing material :

1. Original Title of Film : L'AUDITION
(France)

Title in English : Hearing

2. Date of completion : 1974

3. Production Institute : Office Français des Techniques Modernes d'Education

4. Distribution : Office Français des Techniques Modernes d'Education
(OFRATEME)
29 rue d'Ulm - 75230 Paris-Cedex 05

5. Address from which fuller information on international availability of the film may be obtained :
OFRATEME
Département "Promotion et Ventes"
29 rue d'Ulm
F - 75230 Paris-Cedex 05

6. Language versions available, teaching notes if any :
French

7. Public for whom the film is intended :
Secondary level (14 - 16 years)

8. Colour/Black and white : colour

9. Sound System (optical or magnetic) : optical

10. Running Time : 35 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description :

13. Other existing material :

1. Original Title of film : DIE LEBER
(Federal Republic of Germany)

Title in English : The Liver

2. Date of completion : 1974

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
German - teachers' notes
English

7. Public for whom the film is intended :
Secondary level (14 - 16 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time, : 16 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : By means of animated sequences and nature photography, the film explains the function and place of the organ, especially, the connection with the blood circulation system of the human body.

13. Other existing material :

1. Original Title of Film : TEMPERATURREGULATION
(Federal Republic of Germany)

Title in English : Regulation of Temperature

2. Date of completion: 1973

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU.

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available and teaching notes if any :
German - teaching notes
English

7. Public for whom the film is intended : Secondary level (14 - 16)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 14 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Through animated sequences and real photographs the film illustrates first the temperature of the human body under the influence of will-power. Then it demonstrates the autonomous basis of regulation in changing outdoor temperatures (high and low temperature) and under hard physical work.

13. Other existing material :

1. Original Title of Film : DAS LYMPHGEFÄSS-SYSTEM
(Federal Republic of Germany)

Title in English : The Lymphatic System

2. Date of completion : 1973

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available and teaching notes if any :
German - teaching notes
English

7. Public for whom the film is intended :
Secondary level (13 - 14 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 15 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm.

12. Short description : The film shows in five parts the lymphatic system of the human body, and explains through animated sequences and real photographs the constitution and function of the lymphatic system.

13. Other existing material :

1. Original Title of Film : THE SKIN AS A SENSE ORGAN
(United Kingdom)

Title in English :

2. Date of completion : 1972

3. Production Institute : British Films in association with EFVA

4. Distribution : Educational Foundation for Visual Aids,
33 Queen Anne Street
London W1M OAL

5. Address from which fuller information on international availability of the film may be obtained : see 4 above

6. Language versions available and teaching notes if any :
The film is available with English soundtrack and accompanying teaching notes

7. Public for whom the film is intended :
Children of 13 years and over

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 12 Minutes

11. Gauge of the printing material : 8mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Human beings have seven senses connected with their skins which provide information about the outside world. These are the senses of heat and cold, of touch, pressure and weight, of pain, and another sense of touch concerned with the little hairs on arms and legs. Experiment shows that the receptors of heat and cold do not act as thermometers but detect the direction of heat flow either into or out of the skin. Another experiment plots the distribution of the receptors of touch and the result is explained in ecological terms. Diagrams show the innervation of the skin and the connection of reflex arcs in the spine to the brain. The role of memory is demonstrated in a final experiment.

13. Other existing material : Teaching notes which include the text of the film's spoken commentary.

1. Original Title of Film : THE AUTONOMIC NERVOUS SYSTEM
(United Kingdom)

Title in English :

2. Date of completion : 1973

3. Production Institute : British Films in association with EFVA

4. Distribution : Educational Foundation for Visual Aids
33 Queen Anne Street
London W1M OAL

5. Address from which fuller information on international availability of the film may be obtained : See 4 above

6. Language versions available and teaching notes if any :
The film is available with English soundtrack and accompanying teaching notes

7. Public for whom the film is intended :
Children of 13 years and over

8. Colour/black and white : colour

9. Sound System (optical or magnetic) : optical

10. Running Time : 17 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The Autonomic Nervous System has two parts : the sympathetic nervous system which prepares the body for action and looks after it during the activity, and the parasympathetic system which looks after the body when it is at rest. The two systems often work in opposition to each other. The innervation of the two systems is discussed and the role of consciousness examined with reference to breathing. Heartbeat is a system which is not under conscious control and the role of feedback in the hypothalmus is discussed. The anatomy of the two systems is compared and the film ends with an illustration of how the Autonomic Nervous System serves us in our daily lives.

13. Other existing material : Teaching notes which include the text of the film's spoken commentary.

1. Original Title of Film : VAD HUDEN KAN VISA DIG
(Sweden)

Title in English : What the skin can show you

2. Date of completion : 1975

3. Production Institute : National Board of Education

4. Distribution : LiberLäromedel

5. Address from which fuller information on international availability of the film may be obtained :
LiberLäromedel
Film Section
S - 162 89 Vällingby

6. Language versions available and teaching notes if any :
English

7. Public for whom the film is intended :
Secondary School (14 - 16 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 19 minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The film shows that the skin, by its complex and ingenious structure, acts as a barrier and as a link between our surroundings and the body.
The film also shows what happens when the skin is injured.

13. Other existing material :

1. Original Title of Film : LES REINS
(Belgium)

Title in English : The Kidney

2. Date of completion : 1976

3. Production Institute : Dienst Didactische Films, Audiovisuele Media en Bijschoolse Activiteiten
Handelskaai 7 - 1000 BRUSSEL

Producer : RESOBEL Scientific Counsellor : Dr. THIRY

4. Distribution : ditto

5. Address from which fuller information on international availability of the film may be obtained :

ditto

6. Language versions available and teaching notes if any :
Dutch and French

7. Public for whom the film is intended :
Upper secondary level - higher education

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 15 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Detailed study of the kidney : localization, functions, anatomy.

13. Other existing material :

FILMS IN PRODUCTION

4 films are in production

Title	Size	Producer	Year	Age group
Hormonal control	16 mm	Netherl.	1976	14 - 16
Blood circulation and its control	16 mm	Netherl.	1977	14 - 16
Teeth	16 mm	Belgium	1977	14 - 16
Hearing	16 mm	France	1976	14 - 16

4 films should be produced in 1978 to complete the series :

Title	Size	Producer	Year	Age group
The brain	16 mm	France	1978	14 - 16
Tissue respiration	16 mm	UK	1978	13 - 16
Digestion	16 mm	Belgium	1978	14 - 16
Man moving	16 mm	FRG	1978	14 - 16

PROPOSED SERIES

THE LIVING PLANT

A series of 23 films, 12 of which were to be produced as from 1976-77.

Title	Size	Producer	Year	Age group
Elementary photosynthesis	4 super 8	FRG	1976	12 - 14
Photosynthesis - a more advanced treatment	16 mm	UK	1976-7	16 +
Genetics and plant breeding	16 mm	France	1976-7	16
Eutrophic lakes	16 mm	Netherl.	1976	16 +
Ecosystem	16 mm	Austria	1976	16
Oligotrophic lakes	16 mm	Sweden	1977	16 +
Nature conservation	16 mm	Finland	1977	16
Autrophy and heterotrophy	16 mm	Austria	1977	16 +
Climbing plants	16 mm	FRG	1977	16

(Production plans for the rest of the series have not yet been drawn up)

PHYSICS

SERIES : WAVE-PARTICLE DUALITY (completed)

1. Original Title of Film : WAVE-PARTICLE DUALITY
(United Kingdom)

Title in English :

2. Date of completion : 1972

3. Production Institute : British Films Ltd in association with EFVA

4. Distribution : Educational Foundation for Visual Aids
33 Queen Anne Street
London W1M OAL

5. Address from which fuller information on international availability of the film may be obtained : See 4 above

6. Language versions available and teaching notes if any :

The film is available with English soundtrack and with accompanying teaching notes

7. Public for whom the film is intended :
Children of 12 years and over

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 22 Minutes

11. Gauge of the printing material : 8mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : The Danish physicist, Niels Bohr, introduced the term "complementarity" to describe wave-particle duality, denoting that the wave and the particle aspects of a phenomenon are complementary and that they together form a complete picture. But only the wave aspect or the particle aspect is manifest in any given situation : the one when interference plays a role, the other when localisation in space is important. The film traces the historical development of this seeming paradox, one that has stimulated one of the world's finest minds.

13. Other existing material : Teaching notes which include the text of the film's spoken commentary.

1. Original Title of Film : TEMPERATURSTRAHLUNG DES SCHWARZEN KÖRPERS
(Austria) (series "Wave-Particle Duality")

Title in English : Heat Radiation from the Black Solid

2. Date of completion : 1974

3. Production Institute : SHB - Film

4. Distribution : SHB - Film

5. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 Wien

6. Language versions available, teaching notes if any :
German

7. Public for whom the film is intended :
Upper secondary level (15 - 18)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 7 Minutes, 20 sec.

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 35 mm

12. Short description : Propagation of heat by radiation ; Lesley cube. Live and animated sequences : tubular heater model of the "black solid". Adjustment of the gold point. Measurement of the intensity of various wave bands. Establishment of graph in E-diagram. Wien's, Rayleigh-Jean's and Planck's graphic curves.

13. Other existing material :

1. Original Title of Film : FRANCK & HERTZ' EXPERIMENT
Denmark (Series "Wave-Particle Duality")

Title in English : The Franck-Hertz Experiment

2. Date of completion : 1975

3. Production Institute : Statens Filmcentral (The Danish Government Film Office)

4. Distribution : Statens Filmcentral

5. Address from which fuller information on international availability of the film may be obtained :

Statens Filmcentral
27, Vestergade
DK-1456 Copenhagen K
Denmark

6. Language versions available (and teaching notes if any) :
The film has no commentary, only Danish explanatory texts
(english version in preparation)
Booklet for teachers and pupils

7. Public for whom the film is intended : Secondary schools and teacher training colleges

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 8 Minutes

11. Gauge of printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm and super 8 mm

12. Short description : The film can be used to replace a demonstrated experiment.

13. Other existing material : Printing material

1. Original Title of Film : DER MÖLLENSTEDTSCHE VERSUCH (series "Wave-Particle Duality")
(Federal Republic of Germany)

Title in English : The Möllenstedt "Electron-biprism experiment"

2. Date of completion : 1971

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 5 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm , 35 mm : super 8 mm

12. Short description : Preparations for the experiment, and the experiment itself, are shown by means of diagrams interspersed with filmed sequences. The analogy with the Fresnel biprism experiment is shown in parallel. The aim is to demonstrate the conformity of the interference figures obtained from the two experiments and of the two experimental arrangements, and from this to infer the wave-like character of electrons, that is to say particles.

13. Other existing material : 4 slides.

1. Original Title of Film : DEMONSTRATION DES PHOTON-EFFEKTS (series "Wave-Particle Duality")
(Federal Republic of Germany)

Title in English : Demonstration of photon-effect

2. Date of completion : 1972

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained:
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 4 1/2 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : super 8 mm

12. Short description : A demonstration of photon effects, experimental study of output energy of photon electrons by the method of contrasts.

13. Other existing material :

1. Original Title of Film : DIE EINSTEINSCHE GLEICHUNG FÜR DEN PHOTON-EFFEKT
(Federal Republic of Germany) (Series "Wave-Particle Duality")

Title in English : Obtaining Einstein's equation for the photon effect

2. Date of completion : 1972

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film une Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 4 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm :
super 8 mm

12. Short description : The film gives an insight into the process of obtaining the mathematical formula for the photon effect, which is obtained from the values measured at various frequencies of light.

13. Other existing material :

1. Original Title of Film : MESSUNG DER ELEMENTARLADUNG (series "Wave-Particle Duality")
(Federal Republic of Germany)

Title in English : Measurement of the elementary load

2. Date of completion: 1968

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : black and white

9. Sound System (Optical or magnetic) :

10. Running Time : 3 1/2 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm , 35 mm : super 8 mm

12. Short description : Definition of the elementary load with the help of movement sequences of drops of oil in the suspension condenser.

13. Other existing material.

1. Original Title of Film : DER COMPTON-EFFEKT (series "Wave-Particle Duality")
(Federal Republic of Germany)

Title in English : The Compton effect

2. Date of completion : 1971

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 5 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm , 35 mm : super 8 mm

12. Short description : First, the film shows the whole instructional experiment. A short animated sequence explains, step by step, the progress of the experiment which is being carried out in a real sequence. The changing of wavelengths according to the results of measurement of the intensity of radiation.

13. Other existing material : 4 slides.

1. Original Title of Film : DAS TAYLOR-EXPERIMENT (Series "Wave-Particle Duality")
(Federal Republic of Germany)

Title in English : Result of Taylor's experiment

2. Date of completion : 1972

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 4 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : super 8 mm

12. Short description : Interpretation of the double slit experiment : interference and diffraction pattern of lights, position of photons, characteristics of the light wave in the nature of "leading wave".

13. Other existing material :

SERIES : ELECTROSTATICS (7 films completed)

. Original Title of Film : COULOMBSCHES GESETZ (Series "Electrostatics") (Austria)

Title in English : Coulomb's Law

. Date of completion : 1975

. Production Institute : SHB - Film

. Distribution : SHB - Film

. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 Wien

. Language versions available, teaching notes if any :
German

. Public for whom the film is intended :
Upper secondary school (15 - 18)

. Colour/black and white : colour

. Sound System (Optical or magnetic) : optical

). Running Time : 5 Minutes

1. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 35 mm

2. Short description : Deduction of this law from experiments, the repellent force being determined by a balance with a pointer.

3. Other existing material.

1. Original Title of Film : ELECTROPHORESE (Series Electrostatics) (France)

   Title in English : Electrophoresis

2. Date of completion : 1974

3. Production Institute : Office Français des Techniques Modernes d'Education

4. Distribution : Office Français des Techniques Modernes d'Education (OFRATEME)

5. Address from which fuller information on international availability of the film may be obtained :
   OFRATEME
   Département Promotion et Ventes
   29 rue d'Ulm
   F - 75230 Paris Cedex 05

6. Language versions available, teaching notes if any :
   French

7. Public for whom the film is intended :
   Upper secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 12 Minutes 50 sec.

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm: 16 mm

12. Short description :

13. Other existing material :

1. Original Title of Film : METALLEISSA (Series "Electrostatics") (Finland)

   Title in English : Matter in the Electrostatic Field, Part I, Metals in the Field - Electrostatic Induction.

2. Date of completion : 1974

3. Production Institute : Institute of Photography
   University of Helsinki

4. Distribution : Valtion av-keskus

5. Address from which fuller information on international availability of the film may be obtained :
   Valtion av-keskus
   Hakaniemenkatu 2
   SF - 00530 Helsinki 53

6. Language versions available, teaching notes if any :
   No sound track

7. Public for whom the film is intended :
   For pupils aged 14 - 16

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : mute

10. Running Time : 5 minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : super 8 or 16 mm

12. Short description : The aim of this film is to help the teacher to explain and describe to the pupils the behaviour of metals in an electrostatic field. The phenomenon of electrostatic induction is demonstrated and the movement of charge in these processes is shown in detail in animated sequences.

13. Other existing material :

1. Original Title of Film : ISOLATOREN IM ELEKTRISCHEN FELD
(Austria) (Series "Electrostatics")

Title in English : Matter in the Electrostatic Field, Part II - Insulators in an Electrical Field

2. Date of completion : 1974

3. Production Institute : SHB - Film

4. Distribution : SHB - Film

5. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 Wien

6. Language versions available, teaching notes if any :
German

7. Public for whom the film is intended :
Upper secondary level (15 - 18 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 5 Minutes

11. Gauge of the printing material : 8 mm , super 8, 16 mm, 35 mm : 35 mm

12. Short description : Experiment : Separation of two metal plates and two insulator plates in an electrical field. Animated sequence : electrical polarisation of a dielectric. Reduction of density of field lines in the dielectric.

13. Other existing material :

1. Original Title of Film : ELEKTROSTATISCHE LUFTFILTERUNG
(Austria) (Series "Electrostatics")

Title in English : Electrostatic Air Filtration

2. Date of completion : 1974

3. Production Institute : SHB - Film

4. Distribution : SHB - Film

5. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 Wien

6. Language versions available, teaching notes if any :
German

7. Public for whom the film is intended :
Upper secondary level (15 - 18)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : approximately 10 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Air Pollution and filtration (as it concerns producer and consumer). Magnitude of particles and filtration. Principle of electrostatic filtration of air. Technical description of various types of apparatus and plant. Practical applications.

13. Other existing material :

1. Original Title of Film : GRUNDLAGEN ZUM MILLIKANVERSUCH
(Federal Republic of Germany) (Series "Electrostatics")

Title in English : Bases of Millikan's Experiment

2. Date of completion: 1967

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 3 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : super 8 mm

12. Short description : An animated diagram shows the experiment of the Millikan suspension condenser.

13. Other existing material :

1. Original Title of Film : KAPAZITÄT DES PLATTENKONDENSATORS
(Austria) (Series "Electrostatics")

Title in English : Capacity of the Plate Condenser

2. Date of completion : 1974

3. Production Institute : SHB - Film

4. Distribution : SHB - Film

5. Address from which fuller information on international availability of the film may be obtained :
Bundesstaatliche Hauptstelle für Lichtbild und Bildungsfilm
Zentrum für Audio-Visuelle Medien in Unterricht und Bildung
Plunkergasse 3 - 5
A - 1152 Wien

6. Language versions available, teaching notes if any :
German

7. Public for whom the film is intended :
Upper secondary level (15 - 18 years)

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :optical

10. Running Time : 7 Minutes, 20 sec.

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : super 8, 35 mm

12. Short description : Live demonstration of the relationship $Q = CxU$ and $C \times \frac{A}{d}$. Direct measurement of capacity with the aid of an amplifier.

13. Other existing material :

SERIES : "ELECTROSTATICS"

Films in preparation

Title	Size	Producer	Year	Age group
Coating and painting	16 mm	FRG	-	15 - 18
Work - potential - Voltage	Super 8 mm	Denmark	-	15 - 18

SERIES : EARTH IN SPACE

1. Original Title of Film : LICHTGESCHWINDIGKEIT - OLAF ROMER
(Federal Republic of Germany) (Series "Earth in Space")

Title in English : Speed of light according to Olaf Romer

2. Date of completion: 1974

3. Production Institute : Institut für Film und Bild (FWU)

4. Distribution : FWU

5. Address from which fuller information on international availability of the film may be obtained :
Institut für Film und Bild
Bavaria-Film-Platz 3
D - 8022 Grünwald

6. Language versions available, teaching notes if any :
Silent - teaching notes

7. Public for whom the film is intended :
Secondary level

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) :

10. Running Time : 4 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : super 8 mm

12. Short description : The film explains the observations of Olaf Romer on the moon of Jupiter 10 and his adoption of a finite speed of light.

13. Other existing material : 1 slide.

1. Original Title of Film : ECLIPSES (Series "Earth in Space") (Netherlands)

   Title in English : Eclipses .

2. Date of completion : 1976

3. Production Institute : Stichting Film en Wetenschap, Utrecht, Holland for Stichting N.I.A.M., The Hague, Holland

4. Distribution : Stichting N.I.A.M., Sweelinckplein 33, P.O. Box 6426, The Hague, Holland

5. Address from which fuller information on international availability of the film may be obtained : See 4.

6. Language versions available, and teaching notes if any : International version - silent film, no titles

7. Public for whom the film is intended : 11 years and older

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : silent

10. Running Time : 3 min. 20 sec.

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : super 8 (original 35 mm, so 35 mm and/or 16 mm also available)

12. Short description : Explanation of how eclipses of the sun and moon occur. Animation is completed by live shots and photographs. This single-concept film does not explain the causes of moon-phases ; this will be the subject of a further single-concept film.

13. Other existing material :

PLANNED SERIES

- THEORY OF RELATIVITY
- SCIENCE TEACHING IN PRIMARY EDUCATION
- ELECTROMAGNETISM
- TECHNOLOGICAL EDUCATION.

TEACHER TRAINING

1. Original Title of Film : LES EMPLOIS DES DIAPOSITIVES
(France)

Title in English : The use of slides

2. Date of completion : 1973

3. Production Institute : Centre Audiovisuel de l'Ecole Normale Supérieure de Saint-Cloud

4. Distribution : Office Français des Techniques Modernes d'Education
(OFRATEME)

5. Address from which fuller information on international availability of the film may be obtained :
OFRATEME
Département Promotion et Ventes
29 rue d'Ulm
F.- 75230 Paris Cedex 05

6. Language versions available, teaching notes if any :
French

7. Public for whom the film is intended :
Upper secondary level - Teacher training

8. Colour/black and white : colour

9. Sound System (optical or magnetic) : optical

10. Running Time : 25 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Slides and the support they bring to different communication systems : didactic, informative, cultural. Analysis of the possibilities in these fields - Adaptation to different situations through the ease of their production - Conditions for exploitation corresponding to the different communications' situations, the size of the audience, and physical conditions of exploitation.

1. Original Title of Film : CIRCUIT FERME DE TELEVISION ET FORMATION DES ENSEIGNANTS : ECOLE NORMALE DE LILLE (France)

   Title in English : Closed-Circuit Television and Teacher Training Ecole normale de Lille

2. Date of completion : 1968

3. Production Institute : Centre Audiovisuel de l'Ecole Normale Supérieure de Saint-Cloud

4. Distribution : Office Français des Techniques Modernes d'Education (OFRATEME)

5. Address from which fuller information on international availability of the film may be obtained :
   OFRATEME
   Département Promotion et Ventes
   29 rue d'Ulm
   F - 75230 Paris Cedex 05

6. Language versions available, teaching notes if any :
   French

7. Public for whom the film is intended :
   Teacher training

8. Colour/black and white : black and white

9. Sound System (Optical or magnetic) : optical

10. Running Time : 20 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : An example of the use of closed-circuit television in the collective observation of classes.

13. Other existing material :

1. Original Title of Film : CIRCUIT FERME DE TELEVISION ET FORMATION DES ENSEIGNANTS : ECOLE NORMALE DE VERSAILLES (France)

   Title in English : Closed-Circuit Television and Teacher Training (Ecole normale de Versailles)

2. Date of completion : 1968

3. Production Institute : Centre Audiovisuel de l'Ecole Normale Supérieure de Saint-Cloud

4. Distribution : Office Français des Techniques Modernes D'Education (OFRATEME)

5. Address from which fuller information on international availability of the film may be obtained :
   OFRATEME
   Département Promotion et Ventes
   29 rue d'Ulm
   F - 75230 Paris Cedex 05

6. Language versions available, teaching notes if any :
   French

7. Public for whom the film is intended :
   Teacher training

8. Colour/black and white : black and white

9. Sound System (optical or magnetic) : optical

10. Running Time : 25 minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : Outline of the use of closed-circuit television in teacher training : collective observation of classes, individual self-observation with a view to a critical analysis of teaching behaviour.

13. Other existing material :

1. Original Title of Film : TALENPRAKTIKUM
(Netherlands)

Title in English : Language Laboratory

2. Date of completion : 1972

3. Production Institute : NIAM

4. Distribution : NIAM

5. Address from which fuller information on international availability of the film may be obtained :
NIAM
Sweelinckplein 33
NL - The Hague

6. Language versions available, teaching notes if any :
Dutch - also teaching notes
English
Polish

7. Public for whom the film is intended :
Language-teachers/students, educational authorities

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 27 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : This film gives an idea of the possibilities of the different kinds of systems and possibilities within the framework of educational reform.

Demonstration of different kinds of language-lessons.

13. Other existing material : Book : "Ta londerwijs aan de lopende band" by Dr F.J. Matter (Scientific advisor of the film) in Dutch.

1. Original Title of Film : INTERNE DISTRIBUTIE VAN EDUCATIEVE PROGRAMMA'S
(Belgium)

Title in English : Internal Distribution of Educational Programmes

2. Date of completion : 1976

3. Production Institute : Dienst Didactische Films, Audiovisuele Media en Bijschoolse Activiteiten
Handelskaai 7
B - 1000 BRUSSEL

4. Distribution : ditto

5. Address from which fuller information on international availability of the film may be obtained : ditto

6. Language versions available, and teaching notes if any : Dutch

7. Public for whom the film is intended :
Teacher training

8. Colour/black and white : colour

9. Sound System (optical or magnetic) : optical

10. Running Time : 26 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm : 16 mm

12. Short description : In order to permit the reception of educational T.V. programmes, in several rooms of the same school, a central control room is indispensable. The internal distribution of programmes is carried out either by co-axial cable or by a system of cassette distribution. A T.V. studio has the further advantage of allowing local productions.

13. Other existing material :

1. Original Title of Film : MICRO-ONDERWIJS
(Holland)

Title in English : Micro-teaching

2. Date of completion : 1976

3. Production Institute : Stichting Film en Wetenschap, Utrecht, Holland
for Stichting NIAM, Den Haag, Holland

4. Distribution : Stichting NIAM, Sweelinckplein 33,
P.O. Box 6426
Den Haag, Holland

5. Address from which fuller information on international availability of the film may be obtained : See 4.

6. Language versions available,
teaching notes if any : Dutch and English language version ;
international soundtrack available
teaching notes (Dutch) available.

7. Public for whom the film is intended : (future) teachers

8. Colour/black and white : colour

9. Sound System (Optical or magnetic) : optical

10. Running Time : 25 Minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm , 35 mm : 16 mm

12. Short description : This film offers a first introduction to micro-teaching as a method of improving teaching techniques. It takes as its starting point the different practical problems which teachers - whether student or in-service - have to face. There are several mini-courses which use micro-teaching as a method of improving one or a limited number of teaching skills by self-training and self-observation.

13. Other existing material :

1. Original Title of Film: KLASSENINTERNES FERNSEHEN IN UNTERRICHT - 5 BEISPIELE

   Title in English: Closed Circuit Television in the Classroom - 5 examples

2. Date of completion: 1975

3. Production Institute: Institut für Film und Bild in Wissenschaft und Unterricht, (FWU)

4. Distribution: Landesbildstellen (Audiovisual centres)

5. Address from which fuller information on international availability of the film can be obtained:
   Institut für Film und Bild in Wissenschaft
   und Unterricht (FWU),
   Postfach 260,
   D - 8022 Grünwald

6. Language versions available and teaching notes if any:
   German

7. Public for whom the film is intended:
   Teacher students and teachers on in-service training

8. Colour/black and white: black and white

9. Sound System (Optical or magnetic) : magnetic

10. Running time : 27 minutes

11. Gauge of the printing material : 8 mm, super 8, 16 mm, 35 mm, 16 mm

12. Short description: Five examples of the use of closed circuit television in the classroom (excerpts from lessons at different levels):
    1. Analysis of behaviour, role playing
    2. Observation of movements in sport
    3. Social Studies
    4. Micro-projection in biology
    5. Recording of long-term experiments in chemistry.

13. Other existing material: none

FILMS IN PREPARATION

Title	Size	Producer	Year	Age group
Learning resources Centre	16 mm or video	UK	1978	Student and new teachers
The use of multi-media	16 mm	Sweden	1978	"

PLANNED SERIES

A new series on the "CONTINUED TRAINING OF TEACHERS" should begin in 1978. A master plan has been prepared which embraces 5 themes which should be made into multi-media packages :

- in-service training of teachers through distance teaching,
- The contribution to education of multi-media packages,
- re-training of teachers in the framework of a strategy for introduction of a new subject matter,
- Production of resources at school,
- educational technology and school buildings.